

Hawaiian Electric Company, Inc.
Hawaii Electric Light Company, Inc.
Maui Electric Company, Limited

Docket No. 03-0371
Proceeding to Investigate Distributed Generation in Hawaii

DIRECT TESTIMONIES AND EXHIBIT SPONSORSHIP LIST

HECO T-1	S. W. H. Seu
TESTIMONY	DG Application and Technologies, HECO Consideration of DG, HECO Participation in CHP, Hawaii CHP Market, Customer Support for HECO CHP Involvement, Impact on Competition, Current HECO CHP Activities, Externalities, and IRP
HECO-100	Educational Background and Experience
HECO-101	Excerpt from HECO/HELCO/MECO Preliminary Statement of Position, DG Technologies, pages 2-4, Docket No. 03-0371
HECO-102	Excerpt from HECO Response to CA-SOP-IR-5, page 3, Docket No. 03-0371
HECO-103	Information on Distributed Generation Services from Austin Energy website
HECO-104	HECO IRP-3 CHP Forecast
HECO-105	Excerpt from HECO Response to Informal Complaint No. IC-03-098, filed August 5, 2003, Part I, Appendix B, Customer Comments Regarding Utility Offering of CHP
HECO-106	Excerpt from HECO/HELCO/MECO CHP Program application, Docket No. 03-0366, Section VII.2, Hess Packaged Systems, pages 45-48

<u>HECO T-2</u>	<u>A. S. Seki.</u>
TESTIMONY	Renewable Distributed Generation, Differences Between Commercial Wind Farms and Small Distributed Generation Wind Turbine Applications, Discussion on Renewable Technology Feasibility and Viability, and Policies and Incentives for Renewable Energy Development
HECO-200	Educational Background and Experience
HECO-201	Current Status of HECO's Efforts to Meet RPS Levels
<u>HECO T-3</u>	<u>R. H. Sakuda</u>
TESTIMONY	Generation Avoided Costs, Need for Utility Combined Heat and Power ("CHP") Capacity, Distributed Generation ("DG")/CHP and Integrated Resource Planning, Reserve Capacity, Spinning Reserve and Operating Reserve, and Reduction in Fossil Fuel Use
HECO-300	Educational Background and Experience
HECO-301	HECO Capacity Planning Criteria
HECO-302	HELCO Capacity Planning Criteria
HECO-303	Maui, Molokai and Lanai Capacity Planning Criteria
HECO-304	Avoided Cost Methodology
<u>HECO T-4</u>	<u>S. Y. Ishikawa, P. E.</u>
TESTIMONY	Impact of DG on the Reliability of the T&D System, Conceptual Overview of T&D Avoided Cost Calculation, and the Impact of DG on the Power Quality of the T&D System & DG Interconnections
HECO-400	Educational Background and Experience
HECO-401	HECO Transmission Planning Criteria
HECO-402	HELCO Transmission Planning Criteria
HECO-403	MECO Transmission Planning Criteria
HECO-404	HECO Distribution Planning Criteria
HECO-405	HELCO Distribution Planning Criteria
HECO-406	MECO Distribution Planning Criteria
HECO-407	Transmission Planning Process Overview Slide
HECO-408	Distribution Planning Process Overview Slide
HECO-409	Methodology of Transmission Loss Calculation

<u>HECO T-5</u>	<u>E. A. Seese</u>
TESTIMONY	Rate Design
HECO-500	Educational Background and Experience
HECO-501	HECO, HELCO, MECO Subsidies From/To Other Classes
HECO-502	HECO, HELCO, MECO Summary of Fixed Costs Recovered in Energy Rates
<u>HECO T-6</u>	<u>W. A. Bonnet</u>
TESTIMONY	Regulatory Policy Matters
HECO-600	Educational Background and Experience